

May 31, 2016

CURRICULUM VITAE

Bryan Overcash

ORGANIZATION:

Department of Commerce
National Oceanic & Atmospheric Administration
National Marine Fisheries Service
Southwest Fisheries Science Center
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PRESENT POSITION:

Fisheries Research Biologist

EDUCATION:

Bachelor of Arts in Marine Biology, Minor in Chemistry. Sonoma State University, Rohnert Park, CA, 2006.

EXPERIENCE:

Fisheries Research Biologist

February 2012- Present

Department of Commerce (DOC),
National Oceanic and Atmospheric Administration (NOAA),
National Marine Fisheries Service (NMFS),
Southwest Fisheries Science Center (SWFSC),
8901 La Jolla Shores Drive La Jolla, San Diego, CA 92037-1508

SWFSC works collaboratively with Scripps Institution of Oceanography (SIO), and the California Department of Fish and Game (CDFG) in the California Cooperative Oceanic Fisheries Investigation (CalCOFI) program.

Current Position: Fisheries Biologist for SWFSC coast-wide acoustics trawl surveys, stock assessment, and CalCOFI studies.

- Participated in and completed 16 surveys consisting of 400+ field days.
- Organized all logistical needs for pre/post survey cruises.
- Experienced in scientific trawling techniques and maintenance.
- Served as field party chief on scientific acoustic trawl surveys. This included supervising a scientific party while trawling for small pelagic fishes, determining when and where to trawl and how many trawls should/could be performed successfully per night.
- Supervised and trained students and colleagues in fish identifications, dissections and analysis of fish caught in trawls from the California Current Ecosystem.
- Supervised and trained volunteers and students, at a land based lab, in sample processing techniques.

- Experienced with Simrad EK60 acoustic system, including onboard set up of hardware and calibration of the system.
- Experience with EcoView data processing.
- Expert in the Continuous Underway Fish Egg Sampler (CUFES) and all facets of the system; installation, setup and breakdown of the collecting device and all computer hard/software systems.
- Expertise in fish egg and larval fish identification, of both live and preserved specimens, specifically species ranging from Baja California Mexico to Canada.
- Collaborated with colleagues to process and analyze ichthyoplankton data in order to make 2012, 2013, 2014, and 2015 sardine stock assessment deadline; specifically biomass voluming, ichthyoplankton identification, data archiving, database rebuilding, sample and data quality control. All of the above procedures/activities were performed in concordance with the regulations of Magnuson-Stevens Act (Fisheries Conservation and Management Reauthorization act 2006).

Research Associate

December 2007 - December 2010

Scripps Institution of Oceanography (SIO),
9500 Gilman Drive, San Diego, CA 92093-0221

- Participated in and completed 12 surveys consisting of 200+ field days.
- Sea going work comprised of 1-week to 1-month long fisheries research cruises, in which ichthyoplankton and sea water samples were collected. Ichthyoplankton samples were collected with a variety of zooplankton net tows: CalCOFI Bongo Oblique (CalBOBL); CalCOFI Vertical Egg Tow (CalVET); Paired Vertical Egg Tow (Pairovet); neuston (surface) net tow (Manta); Planktonic Rate Processes in Oligotrophic Ocean Systems (PRPOOS vertical tow); a mid-water trawl net (Oozeki). Samples were then preserved at sea, to be processed in a lab at both the SWFSC and SIO. All water samples were processed and analyzed while at sea. Water samples were analyzed for, oxygen, nutrient, and chlorophyll concentrations, as well as C¹⁴ uptake during primary productivity processes. Land lab work consisted of ichthyoplankton sample processing/sorting under microscopes and database archiving.
- Watch leader on cruises, trained other scientific researchers and lead a scientific team.
- Deployed and recovered conductivity/temperature/depth (CTD) sensors, as well as troubleshooting and repairing the system when not working correctly.
- Extensive experience with the CUFES system and the understanding of the workings of the machine and computer software.
- Wide-ranging practice with Simrad EK60 acoustic system, including onboard set up and calibration.
- Proficient in the fields of fisheries biology, biological oceanography, and physical oceanography.
- Expert in the logistics of loading and offloading of research cruises, as well as maintaining and repairing all equipment used for these cruises.
- Assisted in the setup and running of the SIO CalCOFI lobster lab project.
- Worked directly with archiving the CalCOFI phyllosoma (lobster larvae) database.
- Created the bibliographies for the CalCOFI reports from 2008-2010.

Seasonal Sea Going and Lab Technician

October 2006 - October 2007

California Department of Fish and Game (CDFG),
National Oceanic and Atmospheric Administration (NOAA),
8604 La Jolla Shores Drive La Jolla, San Diego, CA 92037-1508

- Participated and completed 5 surveys 100 days of field work.

- Field and lab technician on the CalCOFI project. Field based position, with a focus on sea going research cruises, zooplankton/ichthyoplankton sample collection, sample processing, and data analysis.
- Mastered basic trawl techniques, as well as working up the trawls catch; identifying, dissecting, and analyzing the fish data.
- Participated in four 17-25 day research cruises collecting fisheries and physical oceanographic data.
- General understanding in the fields of fisheries biology, biological oceanography, and physical oceanography.
- Extensive lab work conducting plankton biomass voluming, sample sorting, ichthyoplankton identification, and substantial zooplankton sample archiving.
- Proficient sorter of zooplankton samples for various fish larvae and fish eggs.

RESEARCH INTERESTS:

- Fish and invertebrate marine biology with a focus on early life history.
- Coastal marine ecology.
- Sea going ship operations and management.

HONORS AND AWARDS:

- National Marine Fisheries Service : Team Member of the Year Award 2014